

### *Amendments to the Claims*

This listing of claims will replace all prior versions and listings of claims in the application.

1. (Currently amended) An isolated and purified polynucleotide selected from the group consisting of:

(a) a polynucleotide encoding a protein ~~comprising~~ consisting of the amino acid sequence of SEQ ID NO: 2; and

(b) a polynucleotide ~~comprising~~ consisting of the nucleotide sequence ~~corresponding to~~ set forth at position 80 to 1924 in SEQ ID NO: 1; and

~~(c) a polynucleotide comprising the nucleotide sequence with at least 95% homology to the nucleotide sequence corresponding to position 80 to 1924 in SEQ ID NO: 1 which have the binding activity to afadin and/or actinin.~~

2. (Canceled)

3. (Original) A vector into which the polynucleotide of claim 1 is inserted.

4. (Canceled)

5. (Original) A method for producing the polypeptide encoded by the polynucleotide of claim 1, comprising the steps of culturing a host cell expressively carrying either said polynucleotide or a vector into which said polynucleotide is inserted, and recovering the produced polypeptide from said host cell or culture supernatant thereof.

6. (Canceled)

7. (Canceled)

8. (Canceled)

9. (Canceled)
10. (Canceled)
11. (Canceled)
12. (Canceled)
13. (Canceled)
14. (Original) The polynucleotide of claim 1, wherein said polynucleotide is the polynucleotide of (a).
15. (Original) The polynucleotide of claim 1, wherein said polynucleotide is the polynucleotide of (b).
16. (Canceled)
17. (Canceled)
18. (Canceled)
19. (Canceled)
20. (Canceled)
21. (Canceled)
22. (Canceled)
23. (Currently amended) An isolated and purified host cell ~~transformed with~~ retaining the vector of claim 3.